ER-1017

SHARP SERVICE MANUAL

CODE : 00ZER1017SM-E

SHAR-03060

ELECTRONIC CASH REGISTER

MODEL ER-1017

Printer: MP-828CR

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SHARP CORPORATION

3060

1. FUNCTION SUMMARY

1) Plus/minus department system.
2) Repeat registration, count display.
3) Multiplication registration.
4) Cash sale, amount tendered registration (Including change calculations.)
5) Credit (Charge) sale
6) Non-add code print.
7) All lock error system.
8) Journal or receipt type selecting slide switch.
9) Grand total (7 digits max.)
10) Key touch tone.
11) Lock key type mode key.
12) Optional built in operational battery: Europe only other countries are option use model ER-17BT

NOTE:

1. FOR DETAILS OF THE MP-828CR PRINTER, PLEASE REFER TO THE SERVICE MANUAL OF THE MP-828CR.
2. EXPORT REGIONS ARE DEFINED AS IN THE FOLLOWING IN THIS SERVICE MANUAL.

Spec.	Countries
U.K.	United Kingdom
European	Other than the above countries.

2. SPECIFICATIONS

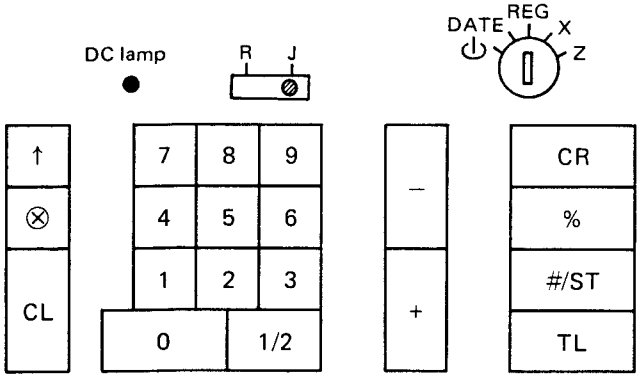
2-1. Rating

Model name	ER-1017
Power source	AC rated voltage ±10%
Power consumption	11.4W
Working temperature	0 to 40°C (32 to 104°F)
Ovarall dimensions	Australia: 405(W) x 425(D) x 276(H)mm Other countries: 330(W) x 417(D) x 268(H)mm
Weight	Europe: 7.4 kg Australia: 9.2 kg U.K. and other countries 6.9 kg

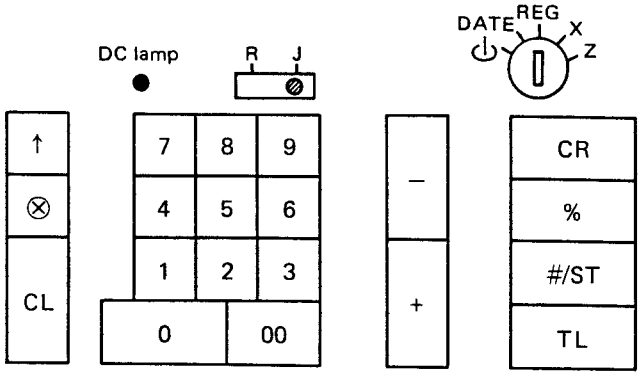
2-2. Keyboard

1. Key layout

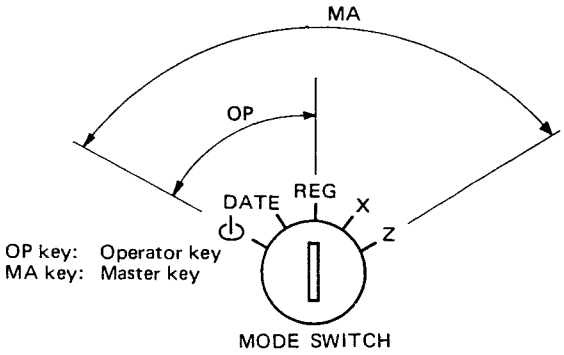
a. U.K. Spec.



b. European Spec.



2. Mode Selector

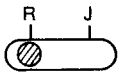


Water proof keyboard cover
part code: GCOVH6842RCZZ

3. Print format selector

Receipt or Journal

1) Type: Slide switch

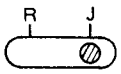


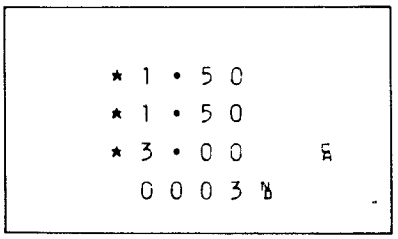
2) Functions

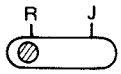
Receipt: Contents of registration is printed together with the date, and the paper is fed.

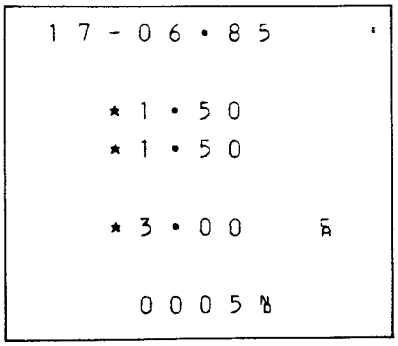
Journal: All countents of registrations are printed out, but date is not printed.

Print sample







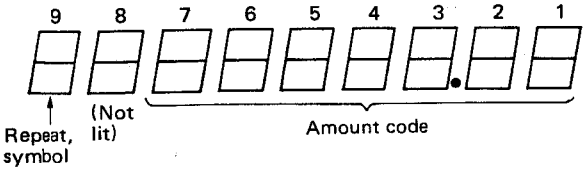


2-3. Display Unit

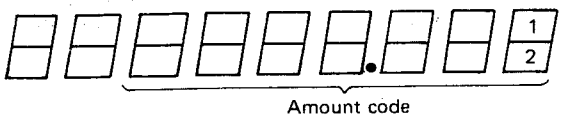
1. Operator side display only

Display tube: 9BT26ZB

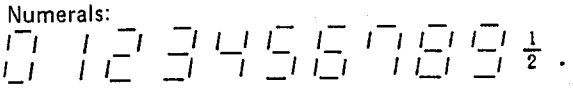
For European Spec.



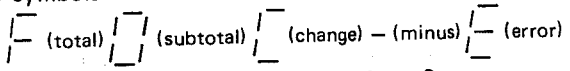
For U.K. Spec.



1) Type: 7-segment type florescent display tube
2) Number of display digits: 9
   - Amount/code: Max. 7 digits
   - Repeat/symbol: 1 digit
3) Numerals:



4) Symbols: Five kinds:

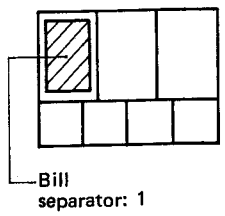


5) Repeat: Endless counter starting from 2
   (0, 1 are not displayed)
   (2 → 3 → 4 → – – – – – – → 9 → 0 → 1 – – – – – – 2)
6) Battery indicator
   - When the optional battery is attached, and the DC power is supplied from the battery, the DC lamp on the keyboard is illuminated.
   - When the AC power is restored, the DC lamp goes out automatically.

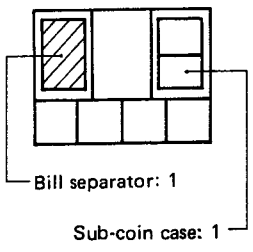
2-4. Drawer

1) Type: Sheet metal drawer.
2) Compartments:

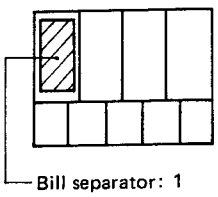
European Spec.: 3B/4C



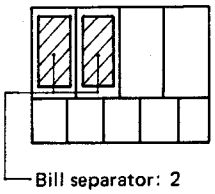
U.K. Spec.: 3B/4C



Australia Spec. ... 4 BSC



Saudi Arabia Spec. ... 4B5C



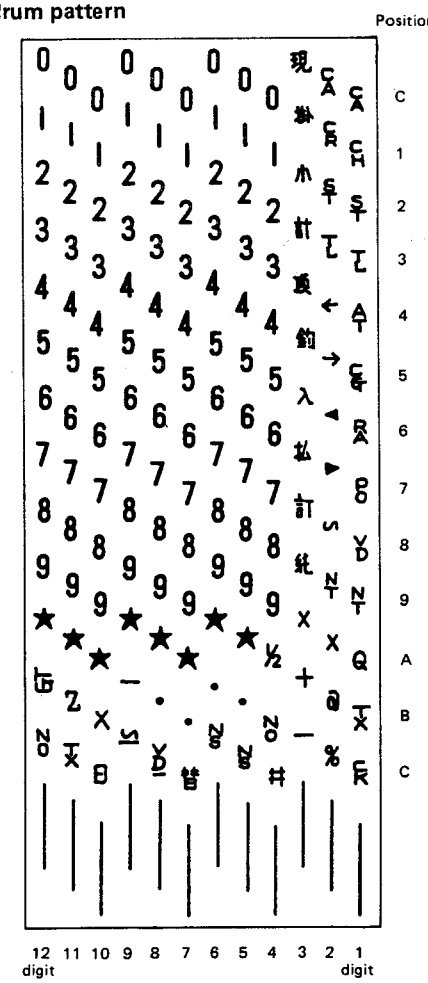
3) Opening system: Automatic opening sytem.
4) Color: Charcoal gray.
5) Drawer lock: Lock: 90° rotation clockwise.
   Open: 90° rotation counterclockwise.
6) Others
   - Manual opening lever provided (in the drawer bottom).
   - The register can be operated with the drawer open (operation is regardless of open or closed state).
   - No drawer bell.

2-5.

● Specifications

Model name & Parts code	MP-828CR: Ki-ŌB6692RCZZ
Model label	MP-828CR
Printing system	1 station flying system
Printing capacity	12 digits
Character dimenson	1.5 (W) 2.5(H) mm
Input buffer	12 stages
Printing speed	Approx. 3.0 lines/sec.
Paper feed speed	Approx. 3.0 lines/sec.
Ink roller	NRŌLR6640RC05 (5 pcs./pack) purple
	EA-741R .... Ink roller (Black) 1 pc for SEEG teritory.
Paper	Plain paper
Paper size (Roll paper)	58mm (W), 80mm in diameter (max.) DPAPR1004CSZZ (5rolls/pack)

Print drum pattern

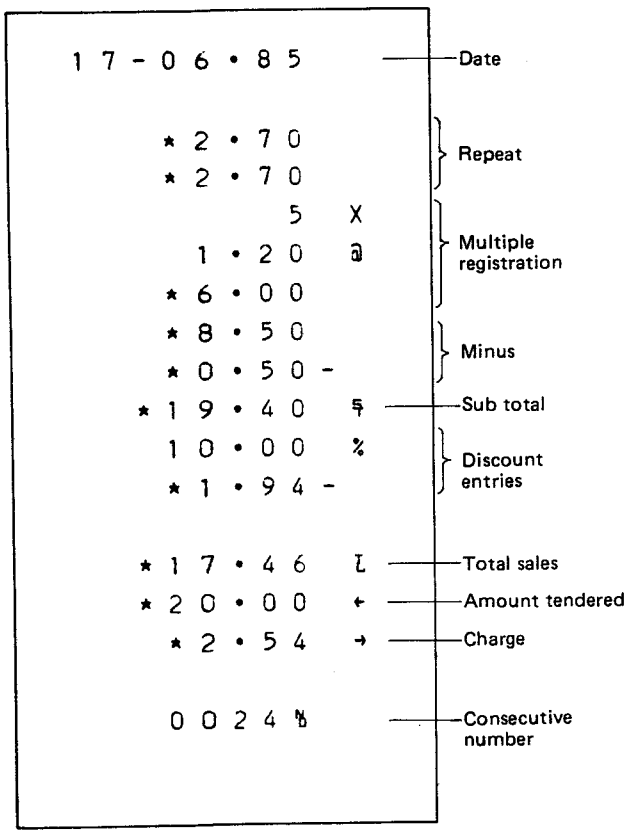


Printer drum parts code
00CA8014–42//

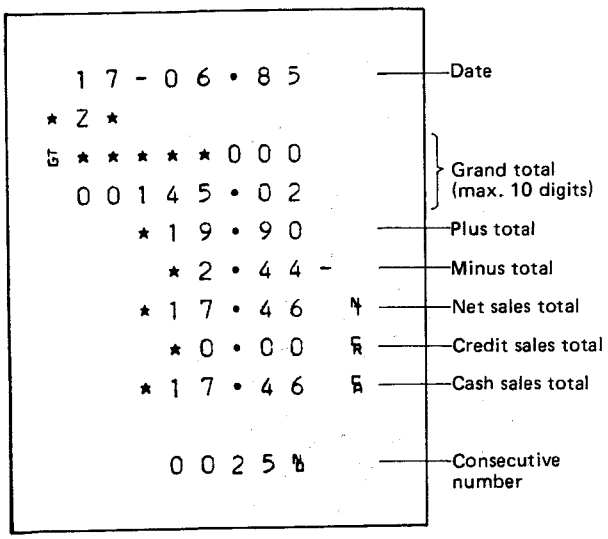
2-6. Printing formats

[European Specification]

1) Registration

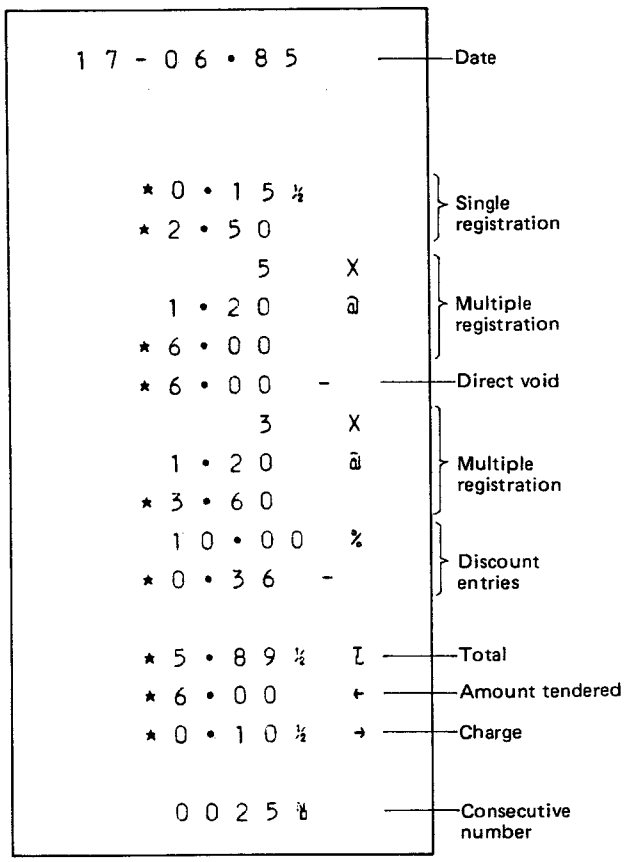


2) Resetting: {Z mode / depress [TL] key

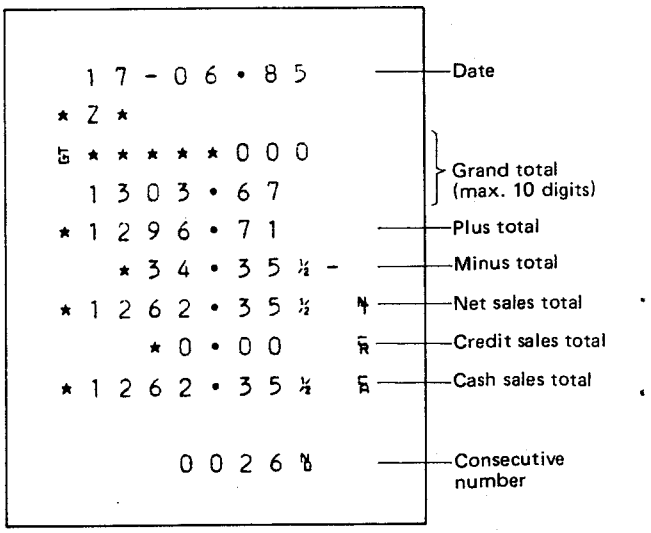


[U.K. Specification]

3) Registration



4) Resetting: {Z mode / depress [TL] key



3. MEMORY

3-1. Totalizer, counter

S: Sign (+/–), D: Digits,

	Totalizer	Counter	Preset	Calculated	Remarks
Plus	7D				
Minus	7D				
Net				7D (S)	
Cash sales	7D (S)				
Credit (Charge) sale	7D				U.K./ European Spec.
Date			6D		
%			4D		
Consecutive No.		4D			
Grand Total	10D				

(Note)

- Consecutive number will not clear after Z report.

NOTES:

1) Net = Plus – Minus
2) Memory is not protected if the amount in each totalizer exceeds seven digits.
3) GT = Σ | NET |

3-2. Memory protection

If the mode selector is turned off, (⏻ position), the memory countents are maintained provided the AC cord is plugged in. If the AC cord is removed or in case of power failure, the memory is cleared.
However, the contents of the memory can be retained when the optional backup Battery ER-17BT is installed.

4. INITIAL RESETTING/DATE SETTING

4-1. Initial resetting

The initial resetting is accomplished by unplugging the AC cord. At this time, all memory contents including the preset are cleared, returning the machine to the initial state.

4-2. Date setting ("DATE" mode)

1) Six-digit entry (lower six digits are used).
2) Depress the [#/ST] key.

(NOTE) Date setting is necessary every day. (does not count up automatically)

Item	Key operation	Display	Print (12)	(11)	(10)	(9)	(8)	(7)	(6)	(5)	(4)	(3)	(2)	(1)
Date preset	100985	100985												
	#/ST	0.00		1	0	–	0	9	–	8	5			
							1	2	3	4	No.			

5. %, RATE SETTING, READING

5-1. Percent rate preset ("Z" mode)

1) Four-digit entry (0.00 to 99.99%: lower four digits are used).
2) Depress the [%] key.

5-2. Percent rate reading: Depress the [%] key in the "Z" mode.

Item	Key operation	Display	Print (12)	(11)	(10)	(9)	(8)	(7)	(6)	(5)	(4)	(3)	(2)	(1)
1) Percent preset	400	400												
	[%]	0.00							4	.	0	0	%	
								1	2	3	5	No.		
2) Percent rate check	[%]	0.00							4	.	0	0	%	
								1	2	3	6	No.		

6. OPTION (Backup Memory/Operation Battery: ER-17BT)

The ER-17BT is the DC power supply source designed to enable operation during a power failure or when the power cord is disconnected.

(1) Specifications

- Type: Built-in rechargeable battery
- Switch: To be installed inside the printer cover on the top cabinet

Switch position	Recharge time	Function
ON	120H	The battery is recharged with the switch in this position, and power is also supplied from the battery source during a power failure or when the power cord is disconnected from the wall outlet. This allows continuous operation, and retains the memory contents. The DC indicator lamp on the keyboard is illuminated when power is supplied from this auxiliary power source.
BC (Battery Charge)	15H	With the switch in this position. The battery will recharge but is does not protect memory contents nor does it enable continuous operation when a power failure occurs or the power cord is disconnected. It is important to turn the switch to the ON or OFF position within 24 hours after setting the switch to this BC position in order to prevent battery performance deterioration due to overcharge that will take place after 24 hours of recharge.
OFF		The switch has to be set to this OFF position to prevent battery discharge when the machine is not used for a long period.

NOTE:
It is possible to operate the register with the switch in the ON, BC, or OFF position, when the power is supplied from the AC power supply source. Note that no memory protection will be done during power failure or power cord disconnection with the switch at the OFF or BC position.

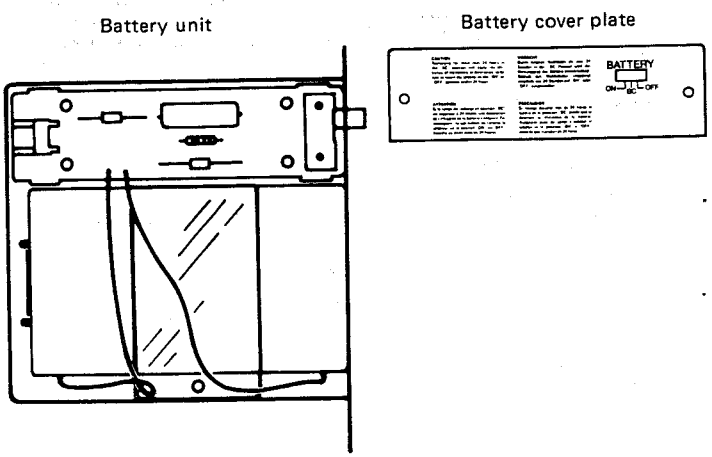
Battery capacity

- It will allow normal operation for a period of about 8 hours or continuous printing for a period of about 2 hours, when the battery is fully charged.
- This option is designed for use with the ER1017.

(2) Component Parts of the ER-17BT

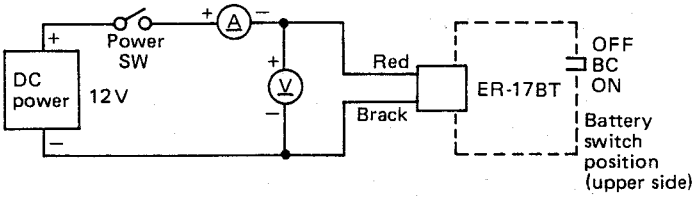
- Prior to installing the ER-17BT make sure the following parts are all present in the package.
  - Battery unit 1
  - Battery cover plate 1

< Component Parts of the ER-17BT Battery Unit >



(3) ER-17BT Action Test

1) Test Circuit



2) Test Way

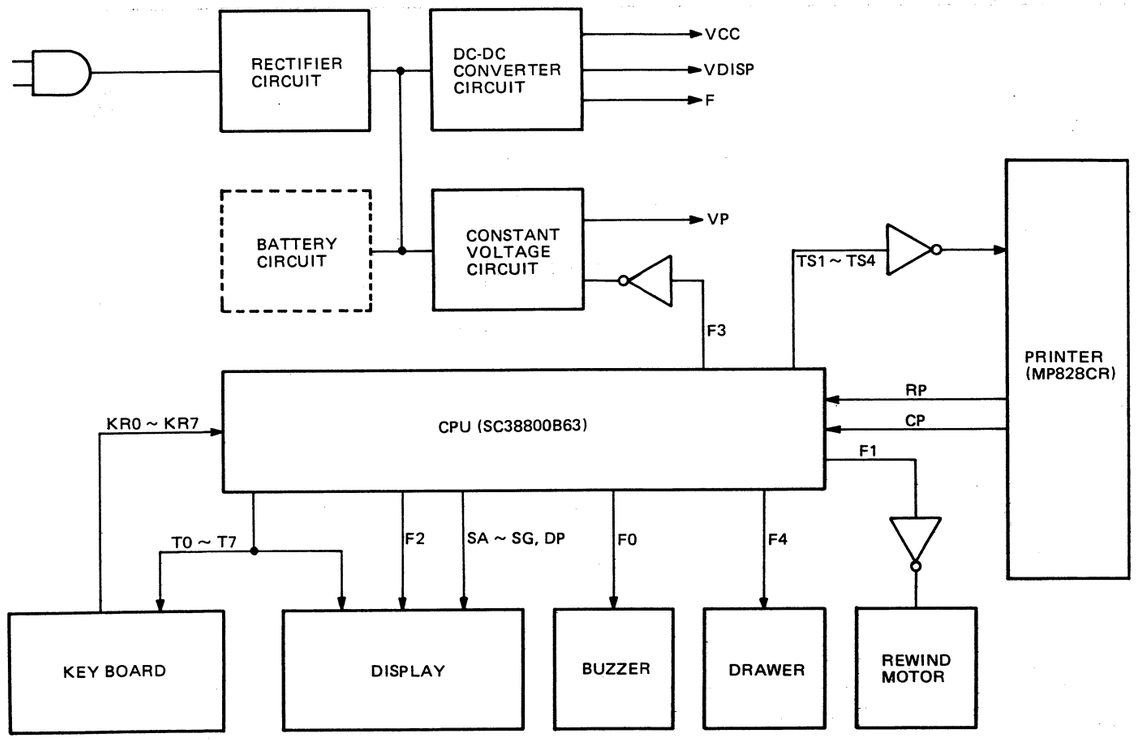
	Power SW	Battery SW	Current Ⓐ	Voltage Ⓥ
1	OFF	OFF	0mA	0V
2	ON	OFF	0mA	12V
3	ON	BC	140~165mA	12V
4	ON	ON	17~20mA	12V
5	OFF	ON	0mA	6V over

(4) Operational Check

- If the ER-17BT is completely installed, perform the following check to see if it operates correctly.

1) Check whether the printer becomes active and the DC lamp at the upper part of the cabinet lights up the moment the battery switch is set to ON.
   If the lamp lights up, the register can operate on the battery.
2) Check whether the DC lamp goes off the instant the register is plugged in with the battery switch in the ON position.

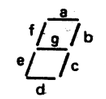
7. CIRCUIT BLOCK DIAGRAM



8. CPU (SC38800B63) Terminal Signals

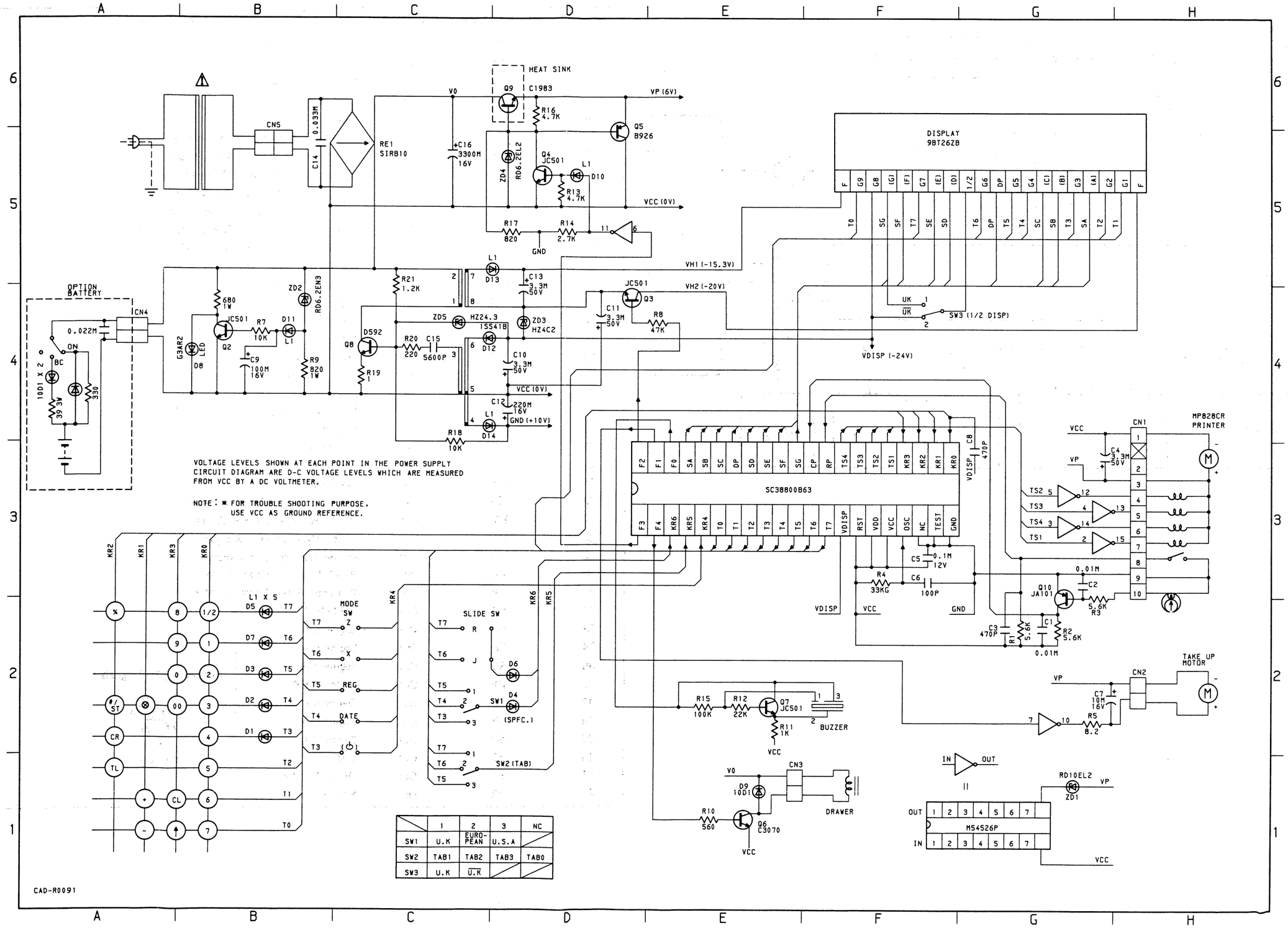
Pin No.	Terminal Name	In/Out	Description
1	F3	Out	Printer power control
2	F4	Out	Drawer open
3	KR6	In	Print format/countries
4	KR5	In	TAB selection
5	KR4	In	MODE
6	T0	Out	Display digit (SYMBOL) & key strobe
7	T1	Out	Display digit (1st digit) & key strobe
8	T2	Out	Display digit (2nd digit) & key strobe
9	T3	Out	Display digit (3rd digit) & key strobe
10	T4	Out	Display digit (4th digit) & key strobe
11	T5	Out	Display digit (5th digit) & key strobe
12	T6	Out	Display digit (6th digit) & key strobe
13	T7	Out	Display digit (7th digit) & key strobe
14	VDSP	In	Display Power Source
15	RST	In	Reset VCC
16	VDD	In	Power Source
17	VCC	In	VCC
18	OSC	In	Oscillator input
19	NC	In	Power Source
20	TEST	In	GND
21	GND	In	Power Source GND
22	KR0	In	Key return
23	KR1	In	Key return
24	KR2	In	Key return
25	KR3	In	Key return
26	TS1	Out	Printer Hummer (10 ~ 12 digits)
27	TS2	Out	Printer Hummer (7 ~ 9 digits)
28	TS3	Out	Printer Hummer (4 ~ 6 digits)
29	TS4	Out	Printer Hummer (1 ~ 3 digits)
30	RP	In	Reset Pulse (from printer)
31	CP	In	Character Pulse (from printer)
32	SG	Out	Segment g
33	SF	Out	Segment f
34	SE	Out	Segment e
35	SD	Out	Segment d
36	DP	Out	Segment DP
37	SC	Out	Segment c
38	SB	Out	Segment b
39	SA	Out	Segment a
40	F0	Out	Buzzer
41	F1	Out	Rewind moter
42	F2	Out	Heater cut

Display segment signals.



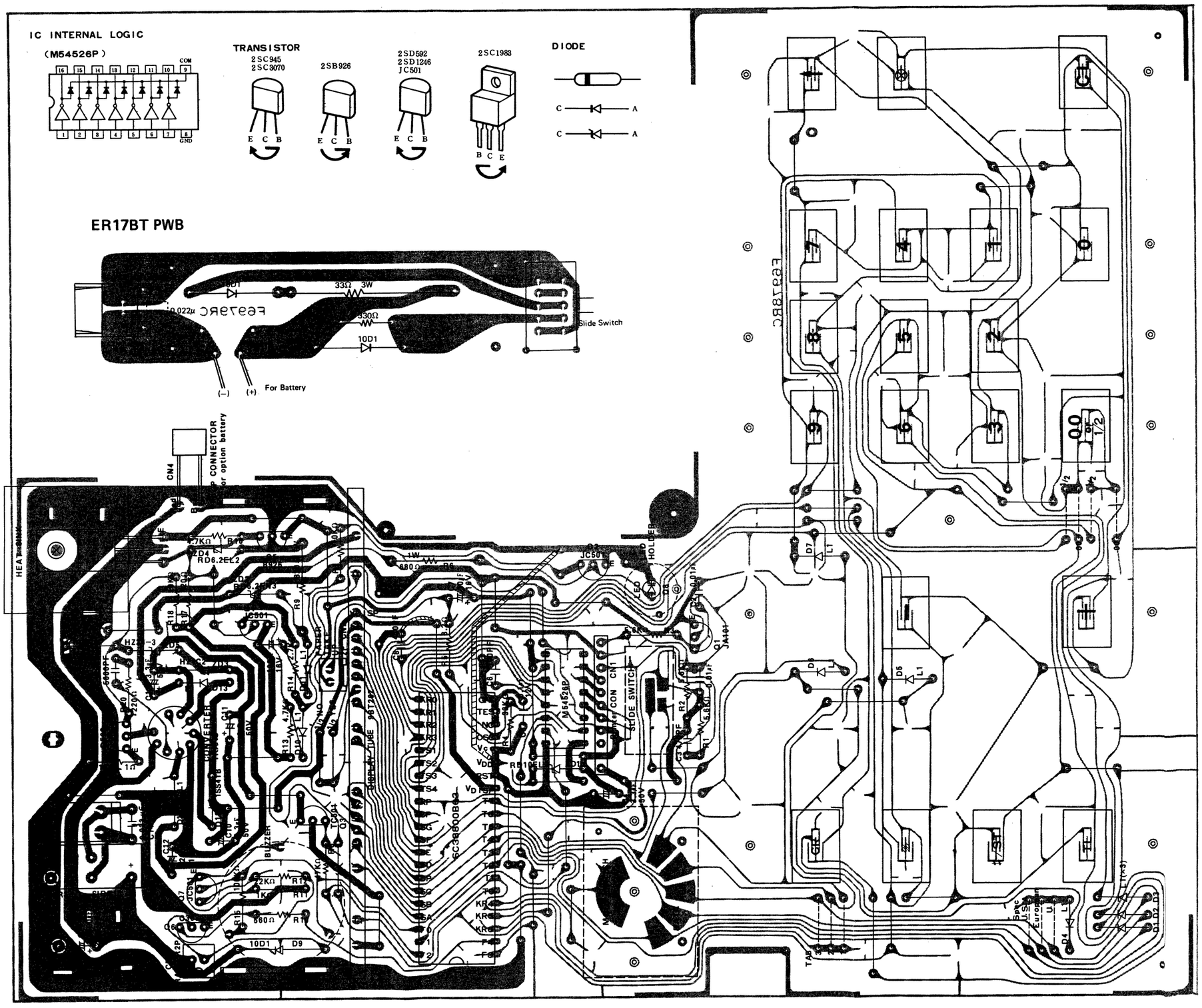
Segment.

9. CIRCUIT DIAGRAM



	1	2	3	NC
SW1	U.K	EURO-PEAN	U.S.A	
SW2	TAB1	TAB2	TAB3	TAB0
SW3	U.K	$\overline{\text{U.K}}$		

10. P.W.B LAYOUT



ER-1017

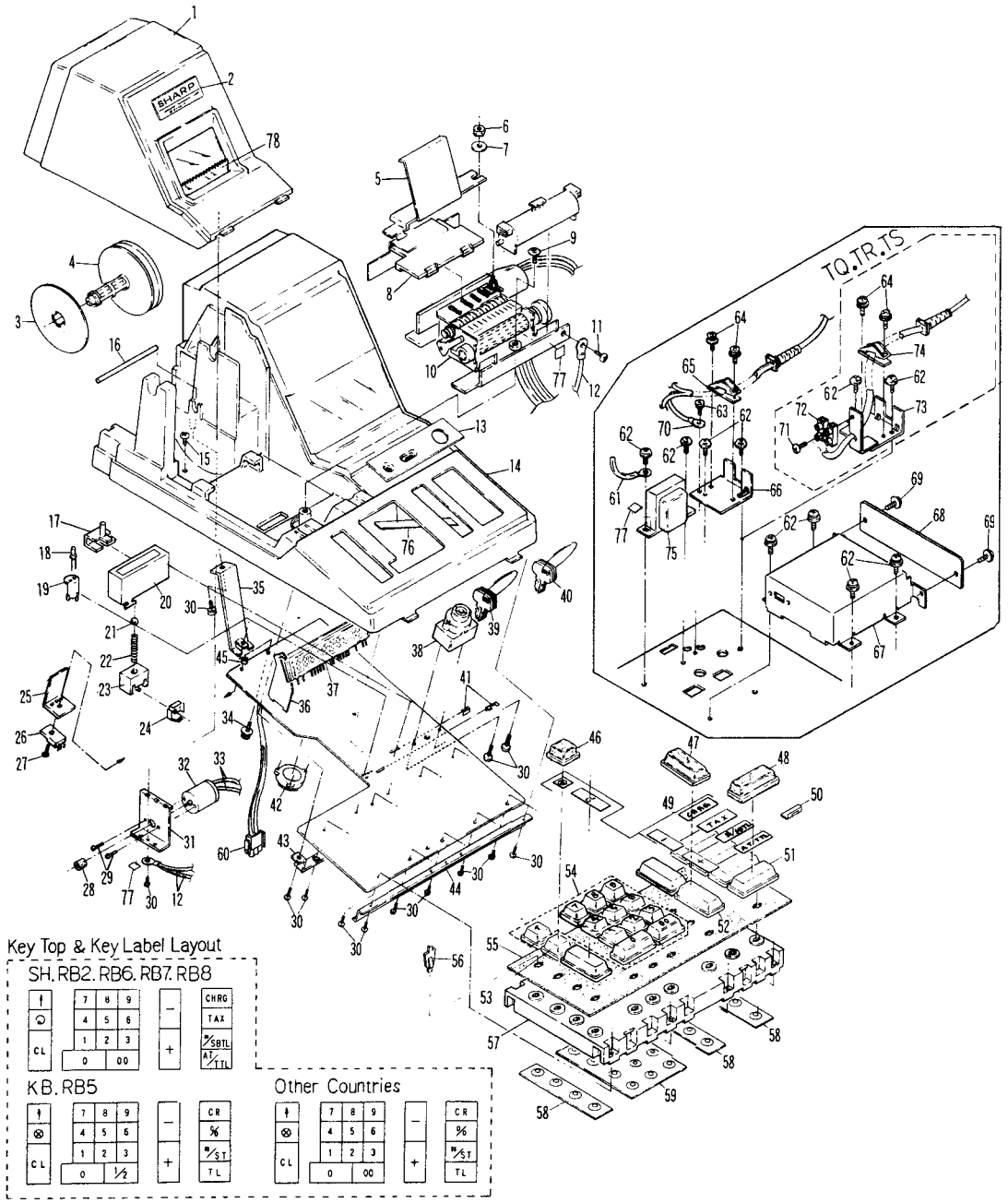
PARTS LIST & GUIDE

1 Exterior & Mechanism section

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	CCOVA6844RC01	AQ	N	D	Printer cover unit (This includes №2,78)
2	HBDGD6785RCZZ	AE	N	D	Model badge
3	PGiDH6682RCZZ	AE		C	Roll paper support guide
4	PGiDH6681RCZZ	AE		C	Winder reel
5	LANGK7191RCZZ	AD		C	Tension angle
6	XNESD26—20000	AA		C	Nut
7	XWHSD26—05075	AA		C	Washer
8	PSHEF6662RCZZ	AC		C	Printer PWB sheet
9	LX—BZ1085CCZZ	AA		C	Screw
10	Ki—OB6692RCZZ	BH	N	E	Printer unit (MP—828CR)
11	XBPSD40P06K00	AA		C	Screw (4×6K)
12	QCNW—6922RCZZ	AD	N	C	Earth wire [KA,KB,SH,RB2,RB4,RB8,RA3,RA5,SE,SL,SM,SMT]
	QCNW—6911RCZZ	AC		C	Earth wire [Other countries]
13	HDECA6725RCZZ	AE	N	D	Dec. panel [SH,RB2,RB6,RB7,RB8]
	HDECA6724RCZZ	AE	N	D	Dec. panel [Other countries]
14	CCABB6842RCZZ	AX	N	D	Cabinet unit
15	LX—BZ6685RCZZ	AA		C	Screw
16	NSFTZ6642RCZZ	AC		C	Roll paper shaft
17	JKNBZ1315CCZZ	AA		C	Slide switch knob
18	VHPGL3PR2//—1	AE		B	LED (GL3PR2)
19	LHLDZ1081CCZZ	AA		C	LED holder
20	LFRM—1015CCZZ	AB		C	Key frame for slide switch (3point)
21	NBALS1001CCZZ	AA		C	Ball (For slide switch)
22	MSPRC1098CCZZ	AA		C	Key spring
23	MSLiP1011CCZZ	AA		C	Slider for slide switch
24	QCNTM1038CCZZ	AA		C	Contact (For slide switch)
25	PRDAF2314RCZZ	AD		C	Heat sink
26	VS2SC1983//—1	AH		B	Transistor (2SC1983)
27	XBPSD30P08000	AA		C	Screw (3×8)
28	PSPAG6666RCZZ	AB		C	Winder rubber
29	XBPSD26P05K00	AA		C	Screw (2.6×5K)
30	XUBSD30P08000	AA		C	Screw (3×8)
31	LFRM—6661RCZZ	AD		C	Winder frame
32	RMOTM6627RCZZ	AP		B	Motor
33	QCNW—6910RCZZ	AB		B	Lead wire (2pin)
34	XBPSD30P06KS0	AA		C	Screw (3×6KS)
35	LANGK7188RCZZ	AD		C	PWB fitting angle
36	LANGT7189RCZZ	AB		C	Display angle
37	VVDH9BT26ZB—1	AW		B	Display tube
38	LKGiW1007CCZZ	AR		B	Mode key switch
39	LKGiM1008CCZZ	AG		B	Operater Key (OP) (2pcs/set) [SH,RB2,RB6,RB7,RB8]
	LKGiM6858RCZZ	AG		B	Operater Key (OP) (2pcs/set) [Other countries]
40	LKGiM6860RCZZ	AG		B	Master key (MA) (2pcs/set)
41	LSTPF1010CCZZ	AA		C	Stopper
42	RALMB6639RCZZ	AH	N	B	Alarm (OS621B)
43	LANGK7187RCZZ	AD		C	Key hold angle (Rear)
44	LANGT7082RCZZ	AD		C	Key hold angle (Front)
45	XNESD30—24000	AA		C	Nut
46	JKNBZ6382RCZZ	AC		C	Key cap (1×1) [SH, RB2, RB6, RB7, RB8]
47	JKNBZ6386RCZZ	AD		C	Key cap (1×2)
48	JKNBZ6384RCZZ	AD		C	Key cap (1×1.5)
49	CLABH6751RCZZ	AN	N	E	Key label unit
50	LPiNS1015CCZZ	AB		C	Key guide pin
51	JKNBZ6383RCZZ	AD		C	Key top blank (1×1.5)
52	JKNBZ6385RCZZ	AD		C	Key top blank (1×2)
53	JKNBZ6381RCZZ	AC		C	Key top blank (1×1) [SH,RB2,RB6,RB7,RB8]
54	JKNBZ6670RCZZ	AB		C	Key top 1 (1×1)
	JKNBZ6671RCZZ	AB		C	Key top 2 (1×1)
	JKNBZ6672RCZZ	AB		C	Key top 3 (1×1)
	JKNBZ6673RCZZ	AB		C	Key top 4 (1×1)
	JKNBZ6674RCZZ	AB		C	Key top 5 (1×1)
	JKNBZ6675RCZZ	AB		C	Key top 6 (1×1)
	JKNBZ6676RCZZ	AB		C	Key top 7 (1×1)
	JKNBZ6677RCZZ	AB		C	Key top 8 (1×1)
	JKNBZ6678RCZZ	AB		C	Key top 9 (1×1)
	JKNBZ6679RCZZ	AB		C	Key top 0 (1×2)
	JKNBZ6699RCZZ	AB		C	Key top ⊗ (1×1) [Except SH,RB2,RB6,RB7,RB8]
	JKNBZ6711RCZZ	AC		C	Key top ½ (1×1.5) [KB,RB5]
	JKNBZ6680RCZZ	AB		C	Key top 00 (1×1.5) [Except KB,RB5]
	JKNBZ6669RCZZ	AB		C	Key top ↑ (1×1)
55	PFLT—6648RCZZ	AD		C	Key felt
56	MLEVP1030CCZZ	AA		C	Key lever
57	LFRM—6662RCZZ	AK	N	C	Key frame
58	PGUMM1439CC41	AD		B	Key rubber (4×1)
59	PGUMM1439CC43	AG		B	Key rubber (4×3)
60	QCNCM6875RC01	AF	N	B	Connector (2pin with wire) (for battery unit)
61	LHLDW3004CCZZ	AA		C	Wire holder
62	LX—BZ6665RCZZ	AA		C	Screw
63	XBPBZ40P06K00	AA		C	Screw (4×6K) [KA,KB,SH,RA3,RA5,RB2,RB4,RB8,SE,SL,SM,SMT]
64	XBPSD30P08KS0	AA		C	Screw (3×8KS) [TE,TR,TS,RA3]

1 Exterior & Mechanism section

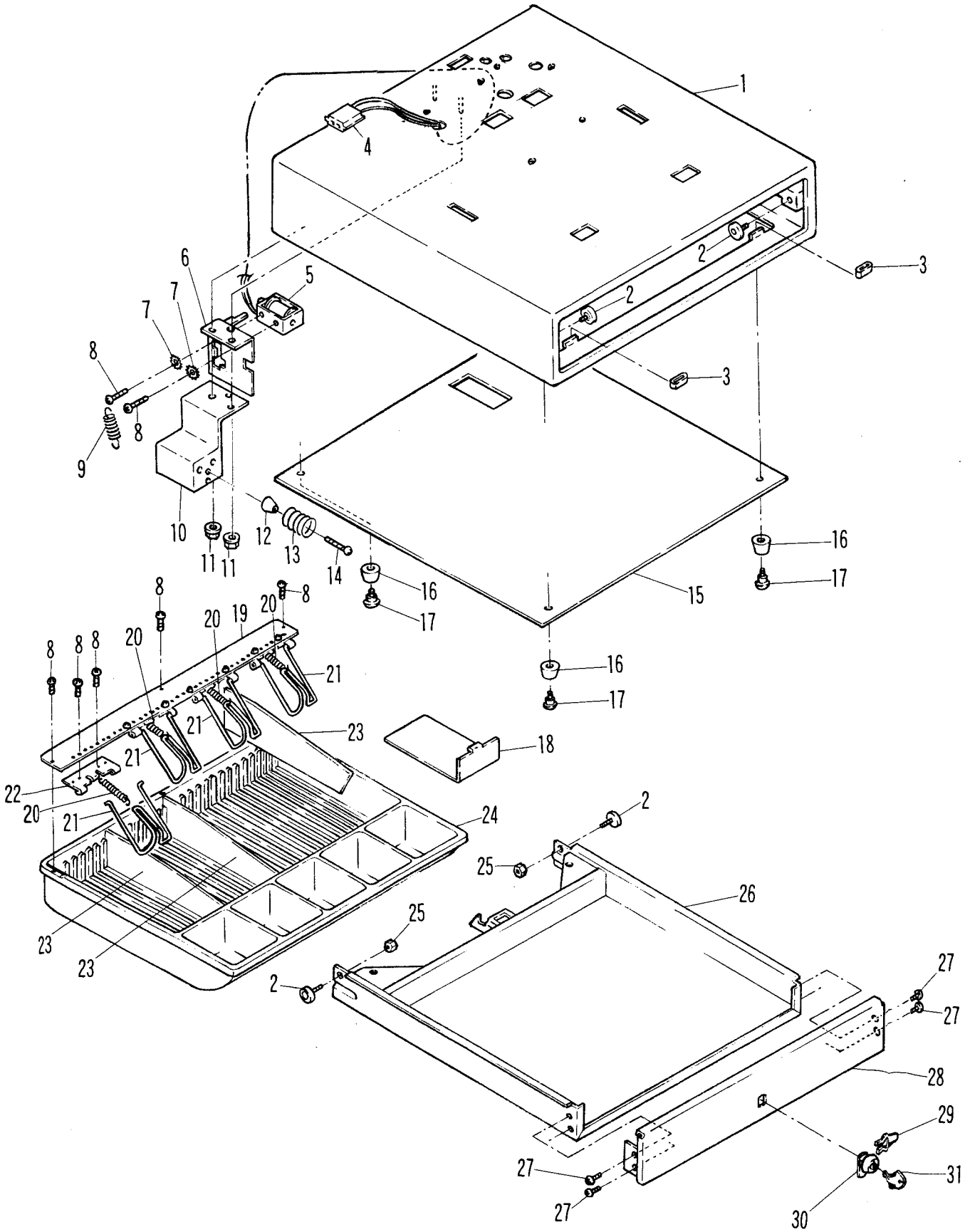
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
65	LHLDW4051CCZZ	AC		C	AC cord holder	[RA3 only]
66	LANGK1453CCZZ	AE		C	AC cord hold angle	[RA3 only]
	LANGT7195RCZZ	AD	N	C	AC cord angle	[KA, KB, SH, RB2, RB4, RB8, RA5, SE, SL, SM, SMT]
	LANGK7084RCZZ	AD		C	AC cord angle	[Other countries]
67	LANGK7193RCZZ	AK	N	C	Battery cover angle	
68	GiTAR6716RCZZ	AD	N	D	Battery cover plate	[Except TQ,TR,TS]
69	XBBSC30P06000	AA		C	Screw (3×6)	
70	QTANP0004HCZZ	AB		C	Terminal for AC cord	[KA,KB,SH,RB2,RB4,RB8,RA3,RA5,SE,SL,SM,SMT]
71	XFPSD30P14000	AA		C	Screw (3×14)	[TQ,TR,TS]
72	QTANN6629RCZZ	AF		C	Block terminal	[TQ,TR,TS]
73	LANGK7192RCZZ	AE	N	C	Terminal angle	[TQ,TR,TS]
74	LHLDW4081CCZZ	AC		C	AC cord holder	[TQ,TR,TS]
⚠ 75	RTRNP6743RCZZ	AW	N	B	Power transformer	[KA,KB,TQ,TR,TS]
⚠	RTRNP6745RCZZ	AW	N	B	Power transformer	[Other countries]
76	PTPEH6630RCZZ	AE		C	Tape	
77	TLAB-4681CCZZ	AA		C	Earth label	[KA,KB,RB4]
78	PCUT-6632RCZZ	AD		C	Paper cutter	



2 Drawer box unit (KA,SB)

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
1	0AGGCM106S423	BC	N	D	Drawer cabinet	
2	NRŌLP1004RCZZ	AF		C	Roller	
3	LSTPG6640RCZZ	AB		C	Stopper rubber (Front)	
4	QCNCW6632RC03	AM		B	Connector (2pin with wires)	
5	RPLU-1001CCZZ	AQ		B	Plunger	
6	0AGMKS204MKSS	AK	N	C	Lock	
7	LX-WZ6648RCZZ	AA		C	Washer	
8	XBPSD30P06000	AA		C	Screw (3×6)	
9	MSPRT6647RCZZ	AC		C	Lock spring	
10	0AGLCS206MKSS	AH	N	C	Unit chassis	
11	LX-NZ6001RCZZ	AA		C	Nut	
12	GLEGG6634RCZZ	AB		C	Stopper rubber (Rear)	
13	MSPRT6677RCZZ	AG		C	Push out spring	
14	XBPSD40P10000	AA		C	Screw (4×10)	
15	GiTAU1002CCZZ	AR		C	Bottom plate	
16	GLEGG6047RCZZ	AE		C	Rubber foot	
17	XBPSD40P16000	AA		C	Screw (4×16)	
18	GCASP6020RCZZ	AH		C	Bill separator	
19	LBRC-6047RCZZ	AG		C	Bill bracket	
20	MSPRT6571RCZZ	AB		C	Bill presser spring	
21	MLEV-6571RCZZ	AE		C	Bill presser lever	
22	GiTAU6571RCZZ	AE		C	Bill presser plate	
23	PSKR-6047RCZZ	AE		C	Bill separator plate	
24	GCASP6571RCZZ	AZ		C	Coin case	
25	LX-NZ6002RCZZ	AA		C	Nut	
26	GDRW-1001CCZZ	AX		C	Drawer case (Rear)	[KA only]
	GDRW-6661RCZZ	AX		C	Drawer case (Rear)	[SB only]
27	LX-LW6669RCZZ	AA		C	Screw	
28	GDRW-6660RCZZ	AP		C	Drawer case (Front)	
29	MSPRK6669RCZZ	AD		C	Lock spring	
30	LKGiW6865RCZZ	AT		B	Lock key (Body)	
31	LKGiM6866RCZZ	AP		B	Lock key (1pc)	
	(Unit)					
901	GBŌXD6846RCZZ	BR	N	E	Drawer box unit	[KA only]
	GBŌXD6852RCZZ	BR	N	E	Drawer box unit	[SB only]

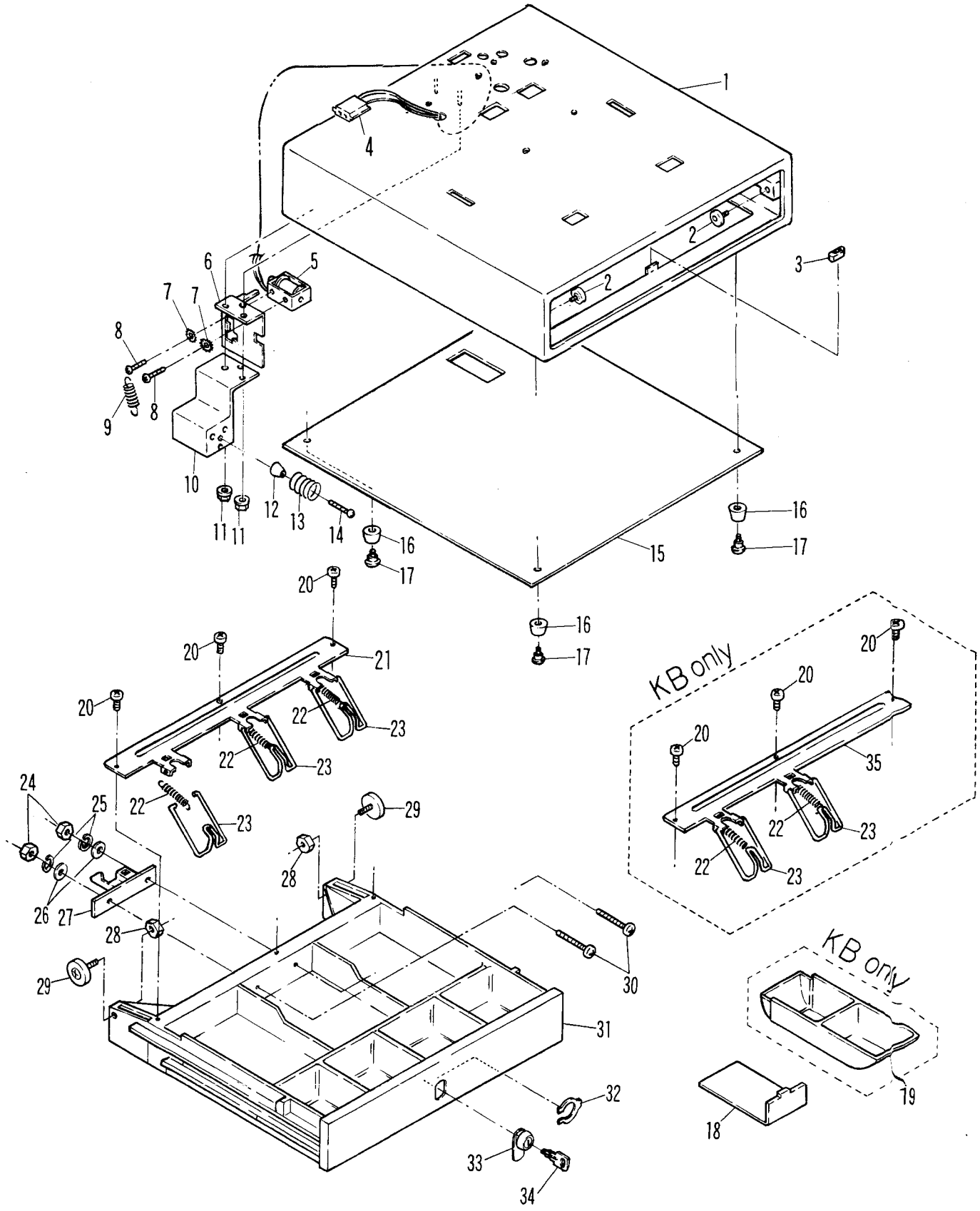
2 Drawer box unit (KA,SB)



3 Drawer box unit (except KA,SB)

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	0AGGCM107S415	BC	N	D	Drawer cabinet
2	NRŌLP1004RCZZ	AF		C	Roller
3	LSTPG6640RCZZ	AB		C	Stopper rubber (Front)
4	QCNCW6632RC03	AM		B	Connector (2pin with wires)
5	RPLU−1001CCZZ	AQ		B	Plunger
6	MLŌKS1004CCZZ	AK		C	Lock
7	LX−WZ6648RCZZ	AA		C	Washer
8	XBPSD30P06000	AA		C	Screw (3×6)
9	MSPRT6647RCZZ	AC		C	Lock spring
10	LCHSS1137CCZZ	AL		C	Unit chassis
11	LX−NZ6001RCZZ	AA		C	Nut
12	GLEGG6634RCZZ	AB		C	Stopper rubber (Rear)
13	MSPRT1212CCZZ	AB		C	Push out spring
14	XBPSD40P10000	AA		C	Screw (4×10)
15	GiTAU1003CCZZ	AP		C	Bottom plate
16	GLEGG6047RCZZ	AE		C	Rubber foot
17	XBPSD40P16000	AA		C	Screw (4×16)
18	GCASP6020RCZZ	AH		C	Bill separator
19	GCASP6025RCZZ	AM		C	Sub coin case [KB only]
20	XUPSD30P06000	AA		C	Screw (3×6)
21	LBRC−6645RCZZ	AH		C	Bill presser bracket [Except KB]
22	MSPRT6571RCZZ	AB		C	Bill presser spring
23	MLEV−6672RCZZ	AD		C	Bill presser lever
24	XNESD30−24000	AA		C	Nut
25	XWSSD30−07000	AA		C	Washer
26	XWHSD30−05080	AA		C	Washer
27	MLEVP1037CCZZ	AG		C	Lock lever
28	XNESD60−50000	AA		C	Nut
29	NRŌLP6097RCZZ	AE		C	Roller
30	XBPSD30P16000	AA		C	Screw (3×16)
31	0AGGDW410S415	AX	N	C	Coin case
32	MSPRK6660RCZZ	AC		C	Lock spring
33	LKGiW1011CCZZ	AL		B	Lock key (body)
34	LKGiM6784RCZZ	AD		B	Lock key (1pc)
35	0AGLBC608MKSS	AH	N	C	Bill presser bracket [KB only]
	(Unit)				
901	GBŌXD6845RCZZ	BP	N	E	Drawer box unit [KB only]
	GBŌXD6844RCZZ	BN	N	E	Drawer box unit [Other countries]

3 Drawer box unit (except KA,SB)



4 Main, key PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	CLABH6751RCZZ	AN	N	E	Key label unit
2	JKNBZ6381RCZZ	AC		C	Key top blank (1×1) [SH,RB2,RB2,RB6,RB7,RB8]
	JKNBZ6699RCZZ	AB		C	Key top (⊗)(1×1) [Other countries]
3	JKNBZ6382RCZZ	AC		C	Key cap (1×1) [SH,RB2,RB6,RB7,RB8]
4	JKNBZ6383RCZZ	AD		C	Key top blank (1×1.5)
5	JKNBZ6384RCZZ	AD		C	Key cap (1×1.5)
6	JKNBZ6385RCZZ	AD		C	Key top blank (1×2)
7	JKNBZ6386RCZZ	AD		C	Key cap (1×2)
8	JKNBZ66669RCZZ	AB		C	Key top ↑ (1×1)
9	JKNBZ66670RCZZ	AB		C	Key top 1 (1×1)
10	JKNBZ66671RCZZ	AB		C	Key top 2 (1×1)
11	JKNBZ66672RCZZ	AB		C	Key top 3 (1×1)
12	JKNBZ66673RCZZ	AB		C	Key top 4 (1×1)
13	JKNBZ66674RCZZ	AB		C	Key top 5 (1×1)
14	JKNBZ66675RCZZ	AB		C	Key top 6 (1×1)
15	JKNBZ66676RCZZ	AB		C	Key top 7 (1×1)
16	JKNBZ66677RCZZ	AB		C	Key top 8 (1×1)
17	JKNBZ66678RCZZ	AB		C	Key top 9 (1×1)
18	JKNBZ66679RCZZ	AB		C	Key top 0 (1×2)
19	JKNBZ67111RCZZ	AC		C	Key top ½ (1×1.5) [KB,RB5]
	JKNBZ66680RCZZ	AB		C	Key top 00 (1×1.5) [Other countries]
20	LFRM−6662RCZZ	AK	N	C	Key frame
21	LPiNS1015CCZZ	AB		C	Key guide pin
22	MLEVP1030CCZZ	AA		C	Key lever
23	PFLT−6648RCZZ	AD		C	Key felt
24	LKGiW1007CCZZ	AR		B	Mode key switch
25	LKGiM1008CCZZ	AG		B	Operater Key (OP) (2pcs/set) [SH,RB2,RB6,RB7,RB8]
	LKGiM6858RCZZ	AG		B	Operater Key (OP) (2pcs/set) [Other countries]
26	LKGiM6860RCZZ	AG		B	Master key (MA) (2pcs/set)
27	JKNBZ1315CCZZ	AA		C	Slide switch knob
28	LANGT7189RCZZ	AB		C	Display angle
29	LFRM−1015CCZZ	AB		C	Key frame for slide switch (3point)
30	LHLDZ1081CCZZ	AA		C	LED holder
31	LSTPF1010CCZZ	AA		C	Stopper
32	MSLiP1011CCZZ	AA		C	Slider for slide switch
33	MSPRC1098CCZZ	AA		C	Key spring
34	NBALS1001CCZZ	AA		C	Ball (For slide switch)
35	PGUMM1439CC41	AD		B	Key rubber (4×1)
36	PGUMM1439CC43	AG		B	Key rubber (4×3)
37	PRDAF2314RCZZ	AD		C	Heat sink
38	QCNCM1101CCZZ	AB		B	Connector (2pin)
39	QCNCM2236SCZZ	AC		B	Connector (2Pin)
40	QCNCM1241CC1J	AD		C	Connector (10pin)
41	QCNCW1287CC0B	AB		B	Connector (for winder motor)(2pin)
42	QCNCM6875RC01	AF	N	B	Connector (2pin with wires) (for battery unit)
43	QCNTM1038CCZZ	AA		C	Contact (For slide switch)
44	RALMB6639RCZZ	AH	N	B	Alarm (OS621B)
45	RC−E1C3388RCZZ	AF	N	C	Capacitor (16WV 3300μF)
46	RTRNH6738RCZZ	AF		B	Converter transformer
47	VCCCPU1HH101J	AB		C	Capacitor (50WV 100pF)
48	VCEAAU1CW106Q	AB		C	Capacitor (16WV 10μF)
49	VCEAAU1CW107Q	AC		C	Capacitor (16WV 100μF)
50	VCEAAU1CW227Q	AC		C	Capacitor (16WV 220μF)
51	VCEAAU1HW335Q	AB		C	Capacitor (50WV 3.3μF)
52	VCKYPU1HB471K	AA		C	Capacitor (50WV 470pF)
53	VCKYPU1HB562K	AA		C	Capacitor (50WV 5600pF)
54	VCQYKU1HM103M	AB		C	Capacitor (50WV 0.010μF)
55	VCQYKU1HM333K	AB		C	Capacitor (50WV 0.033μF)
56	VCTYPU1NX104M	AB		C	Capacitor (12WV 0.10μF)
57	VHDDS1588L2−1	AB		B	Diode (DS1588L2)
58	VHDSiRB10//−1	AG		B	Diode (SIRB10)
59	VHD1SS41B//−1	AB		B	Diode (1SS41B)
60	VHD10D1////−1	AD		B	Diode (10D1)
61	VHEHZ24−3//−1	AB		B	Zener diode (HZ24−3)
62	VHEHZ4C2//−1	AB		B	Zener diode (HZ4C2)
63	VHERD10EL2/−1	AB		B	Zener diode (RD10EL2)
64	VHERD6.2EL2−1	AB		B	Zener diode (RD6.2EL2)
65	VHERD6.2EN3−1	AB		B	Zener diode (RD6.2EN3)
66	VHiM54526P/−1	AH		B	IC (M54526P)
67	VHiSC38800B63	AW		B	IC (SC38800B63)
68	VHPGL3PR2//−1	AE		B	LED (GL3PR2)
69	VRD−ST2EY1R0J	AA		C	Resistor (1/4W 1.0Ω ±5%)
70	VRD−ST2EY102J	AA		C	Resistor (1/4W 1KΩ ±5%)
71	VRD−ST2EY103J	AA		C	Resistor (1/4W 10KΩ ±5%)
72	VRD−ST2EY104J	AA		C	Resistor (1/4W 100KΩ ±5%)
73	VRD−ST2EY122J	AA		C	Resistor (1/4W 1.2KΩ ±5%)
74	VRD−ST2EY221J	AA		C	Resistor (1/4W 220Ω ±5%)
75	VRD−ST2EY223J	AA		C	Resistor (1/4W 22KΩ ±5%)
76	VRD−ST2EY272J	AA		C	Resistor (1/4W 2.7KΩ ±5%)
78	VRD−ST2EY333G	AB		C	Resistor (1/4W 33KΩ ±2%)

4 Main, key PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
79	VRD-ST2EY472J	AA		C	Resistor (1/4W 4.7KΩ ±5%)
80	VRD-ST2EY473J	AA		C	Resistor (1/4W 47KΩ ±5%)
81	VRD-ST2EY561J	AA		C	Resistor (1/4W 560Ω ±5%)
82	VRD-ST2EY562J	AA		C	Resistor (1/4W 5.6KΩ ±5%)
83	VRD-ST2EY8R2J	AA		C	Resistor (1/4W 8.2Ω ±5%)
84	VRD-ST2EY821J	AA		C	Resistor (1/4W 820Ω ±5%)
85	VRS-PT3AB681J	AB		C	Resistor (1W 680Ω ±5%)
86	VRS-PT3AB821J	AB		C	Resistor (1W 820Ω ±5%)
87	VSJA101-P//QC	AB		B	Transistor (JA101-P//QC)
88	VSJC501-P//QC	AB		B	Transistor (JC501-P//QC)
89	VS2SB926-S/TC	AD		B	Transistor (2SB926S/TC)
90	VS2SC1983//-1	AH		B	Transistor (2SC1983)
91	VS2SC3070-/-1	AE		B	Transistor (2SC3070)
92	VS2SD592ANR-1	AD		B	Transistor (2SD592ANR)
93	VVDH9BT26ZB-1	AW		B	Display tube (H9BT26ZB)
94	XBPSD30P08000	AA		C	Screw (3×8)
95	XNESD30-24000	AA		C	Nut
96	XUBSD30P08000	AA		C	Screw (3×8)
	(Unit)				
901	CPWBF6978RC03	BZ	N	E	Main key PWB unit [KB,RB5]
	CPWBF6978RC01	BZ	N	E	Main key PWB unit [SH,RB2,RB6,RB7,RB8]
	CPWBF6978RC02	BZ	N	E	Main key PWB unit [Other countries]

5 AC CORD

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
⚠ 1	QACCJ1413QCZZ	AG		B	AC cord Japan, RA7, RA8, RA9, RB6, RB7, SA, SC, SD, SJ
⚠ 2	QACCD8411QCZZ	AN		B	AC cord U. S. A, Canada, Japan (Okinawa)
⚠ 3	QACCZ3421QCZZ	AM		B	AC cord RA1, RA2, RA4, RB1, RB3, RB5, SB, SF, SG
⚠ 4	QPLGA4501CCZZ	AK		B	Plug SE
⚠	QCNW-6629RCZZ	AN		B	AC cord SE
⚠ 5	QPLGA4171CCZZ	AN		B	Plug SH, RA5
⚠	QCNW-6629RCZZ	AN		B	AC cord SH, RA5
⚠ 6	QACCL7421QCZZ	AS		B	AC cord KA, SL
⚠ 7	QPLGA6626CCZZ	AN		B	Plug KB, RB2, RB8, SM, SMT
⚠	QCNW-6629RCZZ	AN		B	AC cord KB, RB2, RB8, SM, SMT
⚠ 8	QACCZ6421QCZZ	AU		B	AC cord RA3
⚠ 9	QCNW-6629RCZZ	AN		B	AC cord RB4
⚠ 10	QACCE1422QCZZ	AP		B	AC cord TQ, TR, TS

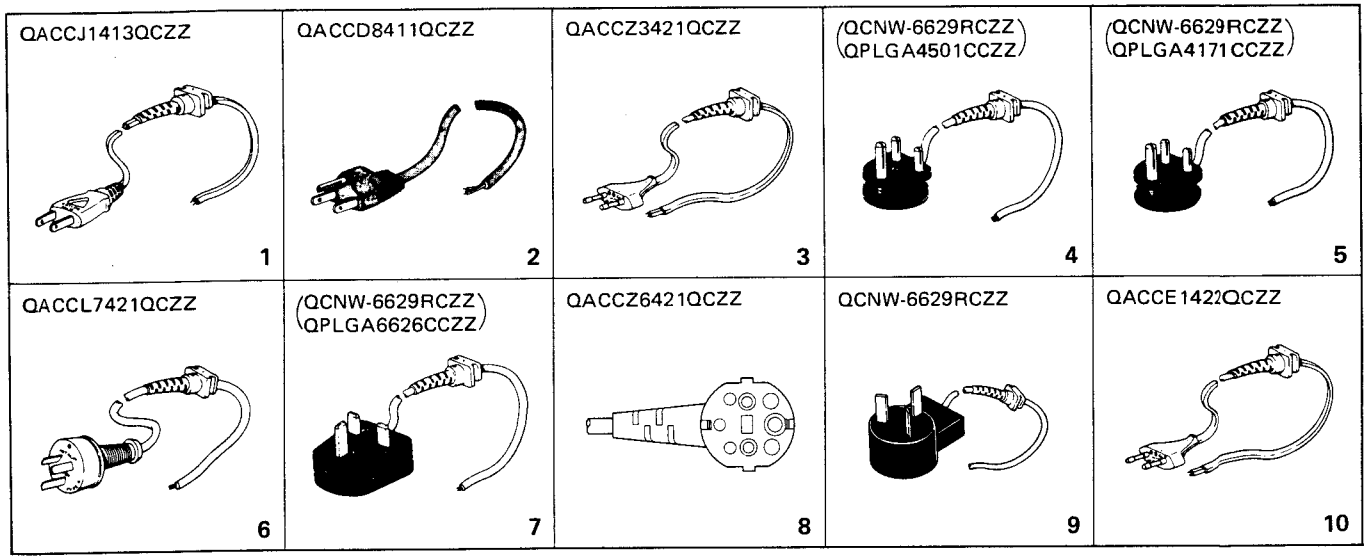


Table of destinations

SELECTION CODE	COUNTRIES
KA	Australia
KB	U. Kingdom
SA	Korea
SB	Saudi Arabia, U. S. of Brazil
SC	Formosa
SD	R. of Colombia, Costa Rica, Dominican, Republic, R. of Guatemala, Honduras, Venezuela, Nicaragua, El Salvador, Mexico, Cuba
SE	Hong Kong
SF	Thailand
* SG	Kuwait, Cyprus, Lebanon, Bahrain, Thailand, Indonesia (Drawer coin case 4B/3C), Tahit, Pakistan, Iran, Syria, Turkey, Jordan, Iraq, U.A.R., Sultanate of Oman, Sudan
SH	South Africa
SJ	Philippines
SL	New Zealand
SM	Kenya, Malta, UAE
SMT	Nigeria
TQ	SEEG territory other than Germany (Austria, Belgium, Bulgaria,Czechoslovakia, Denmark, France, Finland, Hungary, Iceland Italy, Norway, France, Switzerland, Portugal, Netherlands, Poland, Romania, Sweden)
TR	Spain
TS	Germany
RA1	Tunisia, West Africa, Ivory coast, Algeria, Cameroon, Chad, Dahomey, Gabon, Congo, Togo, Senegal, Niger, Upper Volta
RA2	R. of Argentine, R. of Paraguay
RA3	Greece
RA4	R. of Chile, R. of Uruguay
RA5	Sri Lanka
RA6	Egypt
RA7	Curacao, Guam, Netherlands Antilles
RA8	Liberia
RA9	R. of Peru
RB1	U. S. of Brazil
RB2	Barbados (220V)
* RB3	Indonesia (Drawer coin case 6B/5C)
RB4	
RB5	Cyprus
RB6	R. of Panama
RB7	Barbados (120V)
RB8	Malaysia, Singapore

Parts marked with "⚠" is important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

6 Packing material

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	SPAKA7334RCZZ	AL		D	Packing cushion R [KA,SB]
	SPAKA7331RCZZ	AL	N	D	Packing cushion R [Other countries]
2	SPAKA7332RCZZ	AL	N	D	Packing cushion L [Except KA,SB]
3	SPAKC7341RCZZ	AQ	N	D	Packing case [KA,SB]
	SPAKC7333RCZZ	AP	N	D	Packing case [Other countries]
4	SSAKA2013KCZZ	AD		D	Vinyl bag (480×360×400mm) [Except KA,SB]
5	SSAKH0004FCZZ	AD		D	Vinyl bag (600×540×510mm) [KA,SB]
6	SSAKH3012CCZZ	AA		D	Vinyl bag (80×120mm)
7	SSAKH3015CCZZ	AA		D	Vinyl bag (240×360mm)
8	SSAKA5004CCZZ	AA		D	Vinyl bag (100×300mm)
9	SPAKF7025RCZZ	AC		D	AC plug packing case [KB,SH,RB2,RB4,RB8,RA5,SE,SM,SMT]

7 Spare unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	CPWBF6978RC03	BZ	N	E	Main key PWB unit [KB,RB5]
	CPWBF6978RC01	BZ	N	E	Main key PWB unit [SH,RB2,RB6,RB7,RB8]
	CPWBF6978RC02	BZ	N	E	Main key PWB unit [Other countries]
2	GBOXD6845RCZZ	BP	N	E	Drawer box unit [KB only]
	GBOXD6846RCZZ	BR	N	E	Drawer box unit [KA only]
	GBOXD6852RCZZ	BR	N	E	Drawer box unit [SB only]
	GBOXD6844RCZZ	BN	N	E	Drawer box unit [Other countries]
3	Ki-OB6692RCZZ	BH	N	E	Printer unit (MP-828CR)

8 Articles of consumption

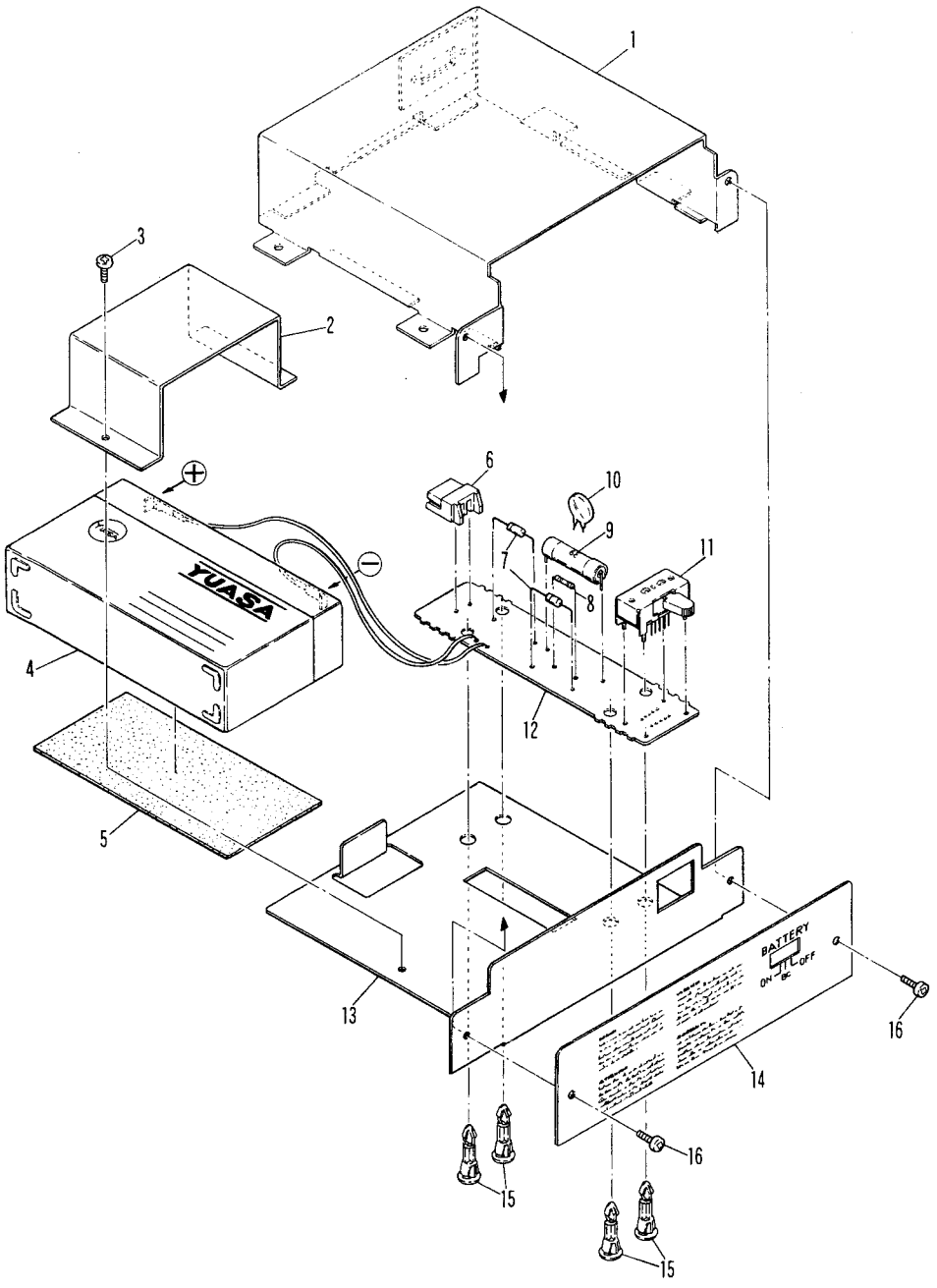
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	DPAPR1004CSZZ	AS		S	Roll paper (5roll/pack)
2	NROLR6640RC05	BB	N	S	Ink roller (Purple) (5pcs/pack)
3	EA-741R	—		S	Ink roller (Brack) Not available as a spare part. (1pc for $EEG teritory)

9 Other parts

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	TINSM6942RCZZ	AX	N	D	Instruction book
2	UBNDA1008CCZZ	AA		C	AC cord band
3	LBNDJ0004UCZZ	AA		C	Cable band [TQ,TR,TS]
4	PZETL6647RCZZ	AC	N	C	Insulator sheet [TQ,TR,TS]
5	GCOVH6842RCZZ	AU		D	Water proof key cover
6	PZETL1446CCZZ	AC		C	Insulator [KB only]

10 ER17BT (Battery unit)

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	LANGK7193RCZZ	AK	N	C	Battery cover angle
2	LANGK7194RCZZ	AF		C	Battery fixing angle
3	XFPSD30P04000	AA		C	Screw (3×4)
4	UBAT-6638RCZZ	AZ		A	Battery (NP1.2A-6V)
5	PCUSS6677RCZZ	AD		C	Battery cushion
6	QCNCW6874RC0B	AE		B	Connector (2pin)
7	VHD10D1////-1	AD		B	Diode (10D1)
8	VRD-ST2EY331J	AA		C	Resistor (1/4W 330Ω ±5%)
9	VRS-PT3LB390J	AC		C	Resistor (3.0W 39Ω ±5%)
10	VCQYKU1HM223K	AB		C	Capacitor (50WV 0.022μF)
11	QSW-S6744RCZZ	AF		B	Slide switch
12	QPWBF6979RCZZ	AD		C	Control PWB (With out parts)
13	LCHSH6651RCZZ	AK		C	Battery unit chassis
14	GiTAR6717RCZZ	AE	N	C	Battery cover plate
15	LHLDF2335RCZZ	AB		C	Holder,PWB
16	XBBSC30P06000	AA		C	Screw (3×6)
101	SPAKA7339RCZZ	AF	N	D	Packing cushion
102	SPAKC7338RCZZ	AD	N	D	Packing case
103	SSAKA2320QCZZ	AA		D	Vinyl bag (200×300mm)



■ Index

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
【C】					
CCABB6842RCZZ	1- 14	AX	N	D	
CCOVA6844RC01	1- 1	AQ	N	D	
CLABH6751RCZZ	1- 49	AN	N	E	
〃	4- 1	AN	N	E	
CPWBF6978RC01	4-901	BZ	N	E	
〃	7- 1	BZ	N	E	
CPWBF6978RC02	4-901	BZ	N	E	
〃	7- 1	BZ	N	E	
CPWBF6978RC03	4-901	BZ	N	E	
〃	7- 1	BZ	N	E	
【D】					
DPAPR1004CSZZ	8- 1	AS		S	
【E】					
EA-741R//////	8- 3			S	
【G】					
GBOXD6844RCZZ	3-901	BN	N	E	
〃	7- 2	BN	N	E	
GBOXD6845RCZZ	3-901	BP	N	E	
〃	7- 2	BP	N	E	
GBOXD6846RCZZ	2-901	BR	N	E	
〃	7- 2	BR	N	E	
GBOXD6852RCZZ	2-901	BR	N	E	
〃	7- 2	BR	N	E	
GCASP6020RCZZ	2- 18	AH		C	
〃	3- 18	AH		C	
GCASP6025RCZZ	3- 19	AM		C	
GCASP6571RCZZ	2- 24	AZ		C	
GCOVH6842RCZZ	9- 5	AU		D	
GDRW-1001CCZZ	2- 26	AX		C	
GDRW-6660RCZZ	2- 28	AP		C	
GDRW-6661RCZZ	2- 26	AX		C	
GiTAR6716RCZZ	1- 68	AD	N	D	
GiTAR6717RCZZ	10- 14	AE	N	C	
GiTAU1002CCZZ	2- 15	AR		C	
GiTAU1003CCZZ	3- 15	AP		C	
GiTAU6571RCZZ	2- 22	AE		C	
GLEGG6047RCZZ	2- 16	AE		C	
〃	3- 16	AE		C	
GLEGG6634RCZZ	2- 12	AB		C	
〃	3- 12	AB		C	
【H】					
HBDGD6785RCZZ	1- 2	AE	N	D	
HDECA6724RCZZ	1- 13	AE	N	D	
HDECA6725RCZZ	1- 13	AE	N	D	
【J】					
JKNBZ1315CCZZ	1- 17	AA		C	
〃	4- 27	AA		C	
JKNBZ6381RCZZ	1- 53	AC		C	
〃	4- 2	AC		C	
JKNBZ6382RCZZ	1- 46	AC		C	
〃	4- 3	AC		C	
JKNBZ6383RCZZ	1- 51	AD		C	
〃	4- 4	AD		C	
JKNBZ6384RCZZ	1- 48	AD		C	
〃	4- 5	AD		C	
JKNBZ6385RCZZ	1- 52	AD		C	
〃	4- 6	AD		C	
JKNBZ6386RCZZ	1- 47	AD		C	
〃	4- 7	AD		C	
JKNBZ6669RCZZ	1- 54	AB		C	
〃	4- 8	AB		C	
JKNBZ6670RCZZ	1- 54	AB		C	
〃	4- 9	AB		C	
JKNBZ6671RCZZ	1- 54	AB		C	
〃	4- 10	AB		C	
JKNBZ6672RCZZ	1- 54	AB		C	
〃	4- 11	AB		C	
JKNBZ6673RCZZ	1- 54	AB		C	
〃	4- 12	AB		C	
JKNBZ6674RCZZ	1- 54	AB		C	
〃	4- 13	AB		C	
JKNBZ6675RCZZ	1- 54	AB		C	
〃	4- 14	AB		C	
JKNBZ6676RCZZ	1- 54	AB		C	
〃	4- 15	AB		C	
JKNBZ6677RCZZ	1- 54	AB		C	
〃	4- 16	AB		C	
JKNBZ6678RCZZ	1- 54	AB		C	
〃	4- 17	AB		C	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
JKNBZ6679RCZZ	1- 54	AB		C	
〃	4- 18	AB		C	
JKNBZ6680RCZZ	1- 54	AB		C	
〃	4- 19	AB		C	
JKNBZ6699RCZZ	1- 54	AB		C	
〃	4- 2	AB		C	
JKNBZ6711RCZZ	1- 54	AC		C	
〃	4- 19	AC		C	
【K】					
Ki-OB6692RCZZ	1- 10	BH	N	E	
〃	7- 3	BH	N	E	
【L】					
LANGK1453CCZZ	1- 66	AE		C	
LANGK7084RCZZ	1- 66	AD		C	
LANGK7187RCZZ	1- 43	AD		C	
LANGK7188RCZZ	1- 35	AD		C	
LANGK7191RCZZ	1- 5	AD		C	
LANGK7192RCZZ	1- 73	AE	N	C	
LANGK7193RCZZ	1- 67	AK	N	C	
〃	10- 1	AK	N	C	
LANGK7194RCZZ	10- 2	AF		C	
LANGT7082RCZZ	1- 44	AD		C	
LANGT7189RCZZ	1- 36	AB		C	
〃	4- 28	AB		C	
LANGT7195RCZZ	1- 66	AD	N	C	
LBNDJ0004UCZZ	9- 3	AA		C	
LBRC-6047RCZZ	2- 19	AG		C	
LBRC-6645RCZZ	3- 21	AH		C	
LCHSH6651RCZZ	10- 13	AK		C	
LCHSS1137CCZZ	3- 10	AL		C	
LFRM-1015CCZZ	1- 20	AB		C	
〃	4- 29	AB		C	
LFRM-6661RCZZ	1- 31	AD		C	
LFRM-6662RCZZ	1- 57	AK	N	C	
〃	4- 20	AK	N	C	
LHLDF2335RCZZ	10- 15	AB		C	
LHLDW3004CCZZ	1- 61	AA		C	
LHLDW4051CCZZ	1- 65	AC		C	
LHLDW4081CCZZ	1- 74	AC		C	
LHLDZ1081CCZZ	1- 19	AA		C	
〃	4- 30	AA		C	
LKGiM1008CCZZ	1- 39	AG		B	
〃	4- 25	AG		B	
LKGiM6784RCZZ	3- 34	AD		B	
LKGiM6858RCZZ	1- 39	AG		B	
〃	4- 25	AG		B	
LKGiM6860RCZZ	1- 40	AG		B	
〃	4- 26	AG		B	
LKGiM6866RCZZ	2- 31	AP		B	
LKGiW1007CCZZ	1- 38	AR		B	
〃	4- 24	AR		B	
LKGiW1011CCZZ	3- 33	AL		B	
LKGiW6865RCZZ	2- 30	AT		B	
LPiNS1015CCZZ	1- 50	AB		C	
〃	4- 21	AB		C	
LSTPF1010CCZZ	1- 41	AA		C	
〃	4- 31	AA		C	
LSTPG6640RCZZ	2- 3	AB		C	
〃	3- 3	AB		C	
LX-BZ1085CCZZ	1- 9	AA		C	
LX-BZ6665RCZZ	1- 62	AA		C	
LX-BZ6685RCZZ	1- 15	AA		C	
LX-LW6669RCZZ	2- 27	AA		C	
LX-NZ6001RCZZ	2- 11	AA		C	
〃	3- 11	AA		C	
LX-NZ6002RCZZ	2- 25	AA		C	
LX-WZ6648RCZZ	2- 7	AA		C	
〃	3- 7	AA		C	
【M】					
MLEV-6571RCZZ	2- 21	AE		C	
MLEV-6672RCZZ	3- 23	AD		C	
MLEVP1030CCZZ	1- 56	AA		C	
〃	4- 22	AA		C	
MLEVP1037CCZZ	3- 27	AG		C	
MLOKS1004CCZZ	3- 6	AK		C	
MSLiP1011CCZZ	1- 23	AA		C	
〃	4- 32	AA		C	
MSPRC1098CCZZ	1- 22	AA		C	
〃	4- 33	AA		C	
MSPRK6660RCZZ	3- 32	AC		C	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
MSPRK6669RCZZ	2- 29	AD		C
MSPRT1212CCZZ	3- 13	AB		C
MSPRT6571RCZZ	2- 20	AB		C
//	3- 22	AB		C
MSPRT6647RCZZ	2- 9	AC		C
//	3- 9	AC		C
MSPRT6677RCZZ	2- 13	AG		C
〔N〕				
NBALS1001CCZZ	1- 21	AA		C
//	4- 34	AA		C
NROLP1004RCZZ	2- 2	AF		C
//	3- 2	AF		C
NROLP6097RCZZ	3- 29	AE		C
NROLR6640RC05	8- 2	BB	N	S
NSFTZ6642RCZZ	1- 16	AC		C
〔P〕				
PCUSS6677RCZZ	10- 5	AD		C
PCUT-6632RCZZ	1- 78	AD		C
PFLT-6648RCZZ	1- 55	AD		C
//	4- 23	AD		C
PGiDH6681RCZZ	1- 4	AE		C
PGiDH6682RCZZ	1- 3	AE		C
PGUMM1439CC41	1- 58	AD		B
//	4- 35	AD		B
PGUMM1439CC43	1- 59	AG		B
//	4- 36	AG		B
PRDAF2314RCZZ	1- 25	AD		C
//	4- 37	AD		C
PSHEF6662RCZZ	1- 8	AC		C
PSKR-6047RCZZ	2- 23	AE		C
PSPAG6666RCZZ	1- 28	AB		C
PTPEH6630RCZZ	1- 76	AE		C
PZETL1446CCZZ	9- 6	AC		C
PZETL6647RCZZ	9- 4	AC	N	C
〔Q〕				
QCNCM1101CCZZ	4- 38	AB		B
QCNCM1241CC1J	4- 40	AD		C
QCNCM2236SCZZ	4- 39	AC		B
QCNCM6875RC01	1- 60	AF	N	B
//	4- 42	AF	N	B
QCNCW1287CC0B	4- 41	AB		B
QCNCW6632RC03	2- 4	AM		B
//	3- 4	AM		B
QCNCW6874RC0B	10- 6	AE		B
QCNTM1038CCZZ	1- 24	AA		C
//	4- 43	AA		C
QCNW-6910RCZZ	1- 33	AB		B
QCNW-6911RCZZ	1- 12	AC		C
QCNW-6922RCZZ	1- 12	AD	N	C
QPWBF6979RCZZ	10- 12	AD		C
QSW-S6744RCZZ	10- 11	AF		B
QTANN6629RCZZ	1- 72	AF		C
QTANP0004HCZZ	1- 70	AB		C
〔R〕				
RALMB6639RCZZ	1- 42	AH	N	B
//	4- 44	AH	N	B
RC-E1C338RCZZ	4- 45	AF	N	C
RMOTM6627RCZZ	1- 32	AP		B
RPLU-1001CCZZ	2- 5	AQ		B
//	3- 5	AQ		B
RTRNH6738RCZZ	4- 46	AF		B
RTRNP6743RCZZ	1- 75	AW	N	B
RTRNP6745RCZZ	1- 75	AW	N	B
〔S〕				
SPAKA7331RCZZ	6- 1	AL	N	D
SPAKA7332RCZZ	6- 2	AL	N	D
SPAKA7334RCZZ	6- 1	AL		D
SPAKA7339RCZZ	10- 101	AF	N	D
SPAKC7333RCZZ	6- 3	AP	N	D
SPAKC7338RCZZ	10- 102	AD	N	D
SPAKC7341RCZZ	6- 3	AQ	N	D
SPAKF7025RCZZ	6- 9	AC		D
SSAKA2013KCZZ	6- 4	AD		D
SSAKA2320QCZZ	10- 103	AA		D
SSAKA5004CCZZ	6- 8	AA		D
SSAKH0004FCZZ	6- 5	AD		D
SSAKH3012CCZZ	6- 6	AA		D
SSAKH3015CCZZ	6- 7	AA		D
〔T〕				
TiNSM6942RCZZ	9- 1	AX	N	D

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
TLAB-4681CCZZ	1- 77	AA		C
〔U〕				
UBAT-6638RCZZ	10- 4	AZ		A
UBNDA1008CCZZ	9- 2	AA		C
〔V〕				
VCCCPU1HH101J	4- 47	AB		C
VCEAAU1CW106Q	4- 48	AB		C
VCEAAU1CW107Q	4- 49	AC		C
VCEAAU1CW227Q	4- 50	AC		C
VCEAAU1HW335Q	4- 51	AB		C
VCKYPU1HB471K	4- 52	AA		C
VCKYPU1HB562K	4- 53	AA		C
VCQYKU1HM103M	4- 54	AB		C
VCQYKU1HM223K	10- 10	AB		C
VCQYKU1HM333K	4- 55	AB		C
VCTYPU1NX104M	4- 56	AB		C
VHDDS1588L2-1	4- 57	AB		B
VHDSiRB10//-1	4- 58	AG		B
VHD1SS41B//-1	4- 59	AB		B
VHD10D1////-1	4- 60	AD		B
//	10- 7	AD		B
VHEHZ24-3//-1	4- 61	AB		B
VHEHZ4C2///-1	4- 62	AB		B
VHERD10EL2/-1	4- 63	AB		B
VHERD6.2EL2-1	4- 64	AB		B
VHERD6.2EN3-1	4- 65	AB		B
VHiM54526P/-1	4- 66	AH		B
VHiSC38800B63	4- 67	AW		B
VHPGL3PR2//-1	1- 18	AE		B
//	4- 68	AE		B
VRD-ST2EY1R0J	4- 69	AA		C
VRD-ST2EY102J	4- 70	AA		C
VRD-ST2EY103J	4- 71	AA		C
VRD-ST2EY104J	4- 72	AA		C
VRD-ST2EY122J	4- 73	AA		C
VRD-ST2EY221J	4- 74	AA		C
VRD-ST2EY223J	4- 75	AA		C
VRD-ST2EY272J	4- 76	AA		C
VRD-ST2EY331J	10- 8	AA		C
VRD-ST2EY333G	4- 78	AB		C
VRD-ST2EY472J	4- 79	AA		C
VRD-ST2EY473J	4- 80	AA		C
VRD-ST2EY561J	4- 81	AA		C
VRD-ST2EY562J	4- 82	AA		C
VRD-ST2EY8R2J	4- 83	AA		C
VRD-ST2EY821J	4- 84	AA		C
VRS-PT3AB681J	4- 85	AB		C
VRS-PT3AB821J	4- 86	AB		C
VRS-PT3LB390J	10- 9	AC		C
VSJA101-P//QC	4- 87	AB		B
VSJC501-P//QC	4- 88	AB		B
VS2SB926-S/TC	4- 89	AD		B
VS2SC1983//-1	1- 26	AH		B
//	4- 90	AH		B
VS2SC3070-/-1	4- 91	AE		B
VS2SD592ANR-1	4- 92	AD		B
VVDH9BT26ZB-1	1- 37	AW		B
//	4- 93	AW		B
〔X〕				
XBBSC30P06000	1- 69	AA		C
//	10- 16	AA		C
XBPBZ40P06K00	1- 63	AA		C
XBPSD26P05K00	1- 29	AA		C
XBPSD30P06KS0	1- 34	AA		C
XBPSD30P06000	2- 8	AA		C
//	3- 8	AA		C
XBPSD30P08KS0	1- 64	AA		C
XBPSD30P08000	1- 27	AA		C
//	4- 94	AA		C
XBPSD30P16000	3- 30	AA		C
XBPSD40P06K00	1- 11	AA		C
XBPSD40P10000	2- 14	AA		C
//	3- 14	AA		C
XBPSD40P16000	2- 17	AA		C
//	3- 17	AA		C
XFPSD30P04000	10- 3	AA		C
XFPSD30P14000	1- 71	AA		C
XNESD26-20000	1- 6	AA		C
XNESD30-24000	1- 45	AA		C
//	3- 24	AA		C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
XNESD30—24000	4- 95	AA		C	
XNESD60—50000	3- 28	AA		C	
XUBSD30P08000	1- 30	AA		C	
//	4- 96	AA		C	
XUPSD30P06000	3- 20	AA		C	
XWHSD26—05075	1- 7	AA		C	
XWHSD30—05080	3- 26	AA		C	
XWSSD30—07000	3- 25	AA		C	
【0】					
0AGGCM106S423	2- 1	BC	N	D	
0AGGCM107S415	3- 1	BC	N	D	
0AGGDW410S415	3- 31	AX	N	C	
0AGLBC608MKSS	3- 35	AH	N	C	
0AGLCS206MKSS	2- 10	AH	N	C	
0AGMKS204MKSS	2- 6	AK	N	C	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	

[redacted]
ER-1017

SHARP

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